

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): An image forming apparatus, comprising:

a fixing unit that fixes a toner image transferred to paper, said fixing unit ~~further~~
~~having~~ including a plurality of heaters;

a main power supply that provides a portion of the heaters with voltage; [[and]]

a secondary power supply that provides another portion of the heaters ~~connected to~~
~~the portion of the heaters in parallel~~ with power charged by said main power supply; and
an insulation member disposed between said fixing unit and said secondary power
supply;

wherein

said secondary power supply is disposed below and in the neighborhood of said fixing
unit; and

a wire of AWG 14 or thicker is used for connecting said secondary power supply and
the heaters.

Claim 2 (Currently Amended): An image forming apparatus, comprising:

a fixing unit that fixes a toner image transferred to paper, said fixing unit ~~further~~
~~having~~ including a plurality of heaters;

a main power supply that provides a portion of the heaters with voltage; [[and]]

a secondary power supply that provides another portion of the heaters ~~connected to~~
~~the portion of the heaters in parallel~~ with power charged by said main power supply; and
an insulation member disposed between said fixing unit and said secondary power
supply;

wherein

said secondary power supply is disposed between a side face of a chassis of the image forming apparatus and said fixing unit, or ~~at an exterior of~~ on the surface of the chassis of the image forming apparatus; ~~and on the side face of the chassis~~

a wire of AWG 14 or thicker is used for connecting said secondary power supply and the heaters.

Claim 3 (Currently Amended): An image forming apparatus, comprising:
a fixing unit that fixes a toner image transferred to paper, said fixing unit further having a plurality of heaters;
a main power supply that provides a portion of the heaters with voltage;
a secondary power supply that provides another portion of the heaters ~~connected to the portion of the heaters in parallel~~ with power charged by said main power supply; and
a paper feed unit to which a plurality of paper feed trays for storing the paper are loadable, ~~the paper being stored in the paper feed trays~~;
wherein
said secondary power supply is disposed as a portion of said paper feed unit.

Claim 4 (Canceled).

Claim 5 (Previously Presented): The image forming apparatus as claimed in claim 1, further comprising:

an insulation member disposed so as to cover said secondary power supply.

Claim 6 (Currently Amended): The image forming apparatus as claimed in claim 1, wherein

said secondary power supply ~~further~~ comprises a secondary power supply circuit and a capacitor, and the capacitor is covered by said insulation member.

Claim 7 (Currently Amended): ~~The~~ An image forming apparatus ~~as claimed in claim 1,~~ further having a secondary power supply, comprising:

a first connection terminal provided on the chassis of the image forming apparatus;
and

a second connection terminal ~~that is electrically connected to said second power supply, said second connection terminal being connectable to said first connection terminal~~ provided on the secondary power supply,

wherein one of the first connection terminal and the second connection terminal are male and the other is female.

Claim 8 (Canceled).

Claim 9 (Currently Amended): The image forming apparatus as claimed in claim 1,
~~wherein~~

~~said secondary power supply further comprises:~~

~~a capacitor; and~~

further comprising a discharging unit that discharges a charge stored in ~~said capacitor~~ the secondary power supply when said secondary power supply is being maintained or replaced.

Claim 10 (Currently Amended): The image forming apparatus as claimed in claim 1,
~~wherein~~

~~said secondary power supply further comprises:~~

~~a capacitor of a high capacity; and~~

further comprising a switch unit that switches on and off electrical connection
between said secondary power supply unit and a ventilation unit for generating air
flow in and around said secondary power supply.

Claim 11 (Canceled).

Claim 12 (Currently Amended): The image forming apparatus as claimed in claim 1,
~~wherein~~

~~said secondary power supply further comprises~~ further comprising a cooling unit that
cools an interior of said secondary power supply.

Claim 13 (Previously Presented): The image forming apparatus as claimed in claim 2,
further comprising:

an insulation member disposed between said fixing unit and said secondary power
supply.

Claim 14 (Previously Presented): The image forming apparatus as claimed in claim 2,
further comprising:

an insulation member disposed so as to cover said secondary power supply.

Claim 15 (Previously Presented): The image forming apparatus as claimed in claim 2,
wherein

said secondary power supply further comprises a secondary power supply circuit and a capacitor, and the capacitor is covered by said insulation member.

Claim 16 (Previously Presented): The image forming apparatus as claimed in claim 2, further comprising:

a first connection terminal provided on the chassis of the image forming apparatus;
and

a second connection terminal that is electrically connected to said second power supply, said second connection terminal being connectable to said first connection terminal.

Claim 17 (Previously Presented): The image forming apparatus as claimed in claim 16,

wherein

said first connection terminal and said second connection terminal are detachable.

Claim 18 (Previously Presented): The image forming apparatus as claimed in claim 2, wherein

said secondary power supply further comprises:

a capacitor; and

a discharging unit that discharges a charge stored in said capacitor when said secondary power supply is being maintained or replaced.

Claim 19 (Previously Presented): The image forming apparatus as claimed in claim 2, wherein

said secondary power supply further comprises:

a capacitor of a high capacity; and

a switch unit that switches on and off a ventilation unit for generating air flow in and around said secondary power supply.

Claim 20 (Previously Presented): The image forming apparatus as claimed in claim 2, wherein

a wire of 14 or more in AWG size is used for connecting said secondary power supply and the heaters.

Claim 21 (Previously Presented): The image forming apparatus as claimed in claim 2, wherein

said secondary power supply further comprises a cooling unit that cools an interior of said secondary power supply.

Claim 22 (Previously Presented): The image forming apparatus as claimed in claim 3, further comprising:

an insulation member disposed between said fixing unit and said secondary power supply.

Claim 23 (Previously Presented): The image forming apparatus as claimed in claim 3, further comprising:

an insulation member disposed so as to cover said secondary power supply.

Claim 24 (Previously Presented): The image forming apparatus as claimed in claim 3, wherein

said secondary power supply further comprises a secondary power supply circuit and a capacitor, and the capacitor is covered by said insulation member.

Claim 25 (Previously Presented): The image forming apparatus as claimed in claim 3, further comprising:

a first connection terminal provided on the chassis of the image forming apparatus;
and

a second connection terminal that is electrically connected to said second power supply, said second connection terminal being connectable to said first connection terminal.

Claim 26 (Previously Presented): The image forming apparatus as claimed in claim 25,

wherein

said first connection terminal and said second connection terminal are detachable.

Claim 27 (Previously Presented): The image forming apparatus as claimed in claim 3, wherein

said secondary power supply further comprises:

a capacitor; and

a discharging unit that discharges a charge stored in said capacitor when said secondary power supply is being maintained or replaced.

Claim 28 (Previously Presented): The image forming apparatus as claimed in claim 3, wherein

said secondary power supply further comprises:

a capacitor of a high capacity; and

a switch unit that switches on and off a ventilation unit for generating air flow in and around said secondary power supply.

Claim 29 (Previously Presented): The image forming apparatus as claimed in claim 3, wherein

a wire of 14 or more in AWG size is used for connecting said secondary power supply and the heaters.

Claim 30 (Previously Presented): The image forming apparatus as claimed in claim 3, wherein

said secondary power supply further comprises a cooling unit that cools an interior of said secondary power supply.

Claim 31 (New): The image forming apparatus as claimed in claim 2, further comprising:

a discharging unit that discharges a charge stored in the secondary power supply when said secondary power supply is being maintained or replaced.

Claim 32 (New): The image forming apparatus as claimed in claim 2, further comprising:

a switch unit that switches on and off electrical connection between said secondary power supply unit and a ventilation unit for generating air flow in and around said secondary power supply.

Claim 33 (New): The image forming apparatus as claimed in claim 2, further comprising:

a cooling unit that cools an interior of said secondary power supply.